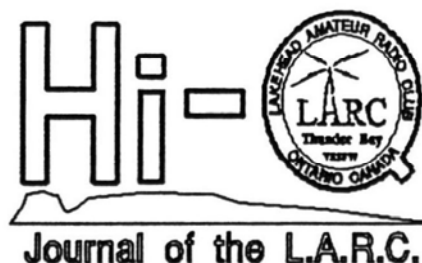


Repeaters:

VE3TBR
out: 146.82 MHz.
in: 146.22 MHz.

VE3YQT
out: 147.06 MHz.
in: 146.46 MHz.



Next Meeting:
7:30 p.m.
Thursday Oct. 14, 1993
Listen on VE3YQT
for location

LARC is a member of Radio Amateurs of Canada (RAC).

Silent Key Barry George Hunter VE3BGA

07 December 1945 — 15 September 1993

Skip Wright, VE3BBS

It is with the deepest regret that I inform you of the passing of a fellow amateur, Barry, VE3BGA.

Barry passed away in hospital after a short illness on Wednesday, 15 September 1993. He is survived by his wife Denise, daughters Colleen Hunter, Cheryl and son-in-law Roy Polkki, granddaughter Arial and brother Gerry.

In accordance with Barry's wishes cremation has taken place and a private family service has been held.

As an expression of sympathy, the family respectfully requests memorials to the Lakehead Amateur Radio Club.

Although Barry had only been a ham for two years, he was extensively involved in amateur radio. He held his twelve word per minute code certificate, no mean feat for just being in the hobby for such a short while. His interests lay in all facets of ham radio. 2M SSB was his latest mode. He was Secretary of the Lakehead Amateur Radio Club and he served as the Tuesday night Net Controller on the Northwestern Ontario Amateur Radio Emergency Services Net on 3750 kHz. He was always willing to get involved in ground crew activity and was a regular at the Saturday morning breakfasts.

To Barry's wife, daughters, son-in-law, granddaughter and brother, our thoughts and prayers go with you.

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LARC

Founding President:
PJ (Pat) O'Shea VE3FW
1881-1972

EXECUTIVE

President:	Terry Stewardson VE3TKA	577-9439
Vice-President:	Steve Robb VE3KRH	345-6992
Secretary:	Norm Bell	577-9316
Treasurer:	Skip Wright VE3BBS	767-2307
Directors:	John Kaleta VE3EMI	344-0165
	Glen Wallace VE3ICY	623-0135
	Len Catillo VE3ILV	473-9430
	John Watson	683-3199
Past President:	Mark Vukovich VE3VUK	345-5856

CLUB APPOINTMENTS**Emergency Coordinators**

E.C.:	Skip Wright VE3BBS	767-2307
Assistant E.C.:	Norm Bell VE3XRC	577-9316
Licence Sponsor:	John Visser VE3HTM	767-8525
Public Relations:	Bob Bishop VE3JAB	767-5689
Theory Instructor:	Ed Baumann VE3SNW	622-1216
Code Instructor:	Norm Bell VE3XRC	577-9316
Hi-Q Editor:	Jim O'Brien VE3UA	623-7893
Assistant Editor:	Bill Boland VE3BQR	622-8732
Volunteer Examiners:	Ed Baumann VE3SNW	622-1216
	Dave Kimpton VE3AVS	344-8949
	Bob Mitchell VE3IDJ	983-3000

Call-Book:

Jim O'Brien VE3UA	623-7893
Terry Stewardson VE3TKA	577-9439
Garry Michaluk VE3GWT	475-7101
Pat Phugh VE3PHU	345-8562

Awards Manager:

Norm Bell VE3XRC	577-9316
------------------	----------

Technical — Hardware:

Laurie Bridgett VE3BCD	622-1628
Glen Anderson VE3IAU	475-3516
Lindo Scaless VE3NHX	767-4377
Glen Wallace VE3ICY	623-0135
Bill Unger VE3EFC	683-3141

Technical — Software:

Len Catillo VE3ILV	473-9430
Steve Robb VE3KRH	345-6992
Terry Stewardson VE3TKA	577-9439

EMC Committee:

Bob Bishop VE3JAB	767-5689
Mike Nawrocki VE3ZG	767-1714
Bill Unger VE3EFC	683-3141
Laurie Bridgett VE3BCD	622-1628
Lindo Scaless VE3NHX	767-4377

Bon-voyage, Manuel...

A small group of local hams met at the Boston Pizza (Arthur St.), on Thursday, 26th of August, to bid a fond farewell to Manuel, VE3MPT, and his family. The Migueis Family moved to Valenca Do Minho, Portugal, at the end of August.

Manuel stated he plans to keep in touch via HF, and in addition to renewing his LARC membership, he was the first to pay in advance for the next issue of the Northwestern Ontario Amateur Radio Call-Book. (*Will those of you that know how efficient my record keeping is, please remind me, when we release the new issue, that I owe one to Manuel? ed.*)

Manuel, we wish you and your family the best of everything in your new life so far away. Let us know when the hamfests are held. We might just fit one in our schedule. 73 de VE3FW.

Classroom facilities...

For a number of years now, the club has held monthly meetings and amateur radio classes in Confederation College. Each Thursday we held classes, except that on the second Thursday of each month, we held our general business meeting. Attendance at the business meetings has increased significantly over the past six or seven months, to the extent that some members borrowed chairs from empty classrooms, and still some members were left standing. When a request was made for larger facilities for the one night per month, we were informed of new policies at the college.

Our local community college has initiated new hourly rates. In previous years, we enjoyed weekly use of classrooms for a flat rate (last year, for instance) of \$25.00 per year. It was a good deal for us; but, our very limited resources simply cannot support the new rate of \$15.00 per hour. Last year we had to increase our annual membership dues. We made a commitment, then, that there would be no increase in annual fees this year.

Our own knight in shining armour, Dave, VE3AVS petitioned on our behalf, for permission to hold classes at a local school. Dave's application was successful, we may now use the Electronics Laboratory at Sir Winston Churchill Collegiate and Vocational Institute, located at 130 Churchill Drive. The best news is that there will be no charge. The club is indebted to Dave for representing us, and to the school administration, for permitting us the use of these facilities for our classes.

As noted in this month's calendar, amateur radio classes will be held each Tuesday night, not Thursday night as in the past. As for the monthly business meeting, stay tuned to VE3YQT; the monthly meeting may not be held at the college; but then again, it may...

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Lakehead Amateur Radio Club History Project

Packet Clinic

Sunday Sept. 12, 1993 marked the first packet clinic hosted by the LARC. The clinic was well attended by about 12 people. First on the agenda was a video tape dealing with some of the more commonly asked questions concerning getting started in packet radio.

Glenn, VE3JAU then gave a demonstration of DigiComm. John VE3GTX explained the trials and tribulations of TCP/IP. John VE3HTM showed us BayComm and what PALM-TOP-PACKET was all about.

I thank everyone who came out to the clinic. And thanks to Glenn, John, and John for sharing their knowledge and ideas with us.

TNX de Steve, VE3KRH

Corrections...

I goofed! The September Hi-Q failed to properly credit John, VE3GTX on his page 2 article, "What time is breakfast anyway?" I printed, on the credit line, Gary's call, VE3GWT instead of John's call, VE3GTX. My apologies to John and to Gary for any embarrassment or inconvenience.

While I'm still in the position—my apologies also to Ed, VE3LML for not acknowledging him as the source of the *New Product* item we carried last month from Honeywell. Sorry, Ed. *Jim, VE3UA, ed.*

Code classes

Norm, VE3XRC, will conduct code classes in his ham shack again this year. He will have cw tapes produced and ready for distribution to each student. Please contact him at 577-9316 if you plan to attend these code classes, so that sufficient copies can be prepared.

Classes start Wednesday, October 13, 1993 at 7:00 p.m. in the basement at 217 University Drive.

We're growing!

from: The Canadian Amateur, September 1993
Hugh Clark, DOC Ottawa, (now: *ISC (Industry and Science Canada)ed.*) advises that there are 39,143 Amateur licenses (including repeaters) as of June 25, 1993.

VE3YQT Statistics;

from: Steve, VE3KRH.

The following totals are based on information gathered from the repeater controller starting on January 1, 1993 through to Sept 12, 1993.

Key-ups	277,746
Minutes of Activity	56,328
Number of Phone Patches	1,098

LARC/Hi-Q Information

Hi-Q is published ten months of the year by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions/viewpoints expressed or implied in Hi-Q are those of the contributing authors; the LARC, Hi-Q or its' Editors assume no responsibility for the accuracy of information submitted. Material in Hi-Q may be copied for non-profit use by the amateur radio community provided credit is given to the author and source(s).

Contributions related to amateur radio, and in particular articles of interest to Northwestern Ontario amateurs, are encouraged. Contributions in the form of manuscripts with drawings and/or photographs are welcome, however, the preferred method of submission is electronically, either via modem or on a 3.5" disk, the disks will be returned). The preferred format is as a WordPerfect® 5.1 file; the next acceptable is as an IBM-compatible ASCII file.

Mail your articles direct to the Assistant Editor, Bill Boland, VE3BQR, at 431 McKenzie Street, Thunder Bay, ON, P7C 3L1. Files may also be submitted via modem by prearrangement at (807) 622-3686 (2400 N. 8,1) or on PACKET to VE3BQR @ VE3TKA.NON.ONT.CAN.NA.

Dated announcements should be received by the editor(s) no later than ten days prior to the first day of the month in which the notice is to appear.

As a means of reducing production and distribution expenses, Hi-Q will accept advertising at the following per-issue rates: Full page — \$80.00; 1/2 page — \$40.00; 1/4 page — \$20.00; and 1/8 page — \$15.00. Reduced rates, of one third off, are available upon receipt of advance payment for 10 issues (i.e. one full year). Send your "camera ready art work" and cheque (payable to LARC) to the Club address below.

Advertising matter that appears in Hi-Q implies neither endorsement nor recommendation of the product or service by the LARC, Hi-Q or its' Editors.

LARC membership fees, determined annually, are set for 1993, as follows: Regular — \$30.00; Associate — \$20.00; Associate (attending Ham classes) — \$80.00; Student (attending school full time) — \$15.00; and Family — \$30.00, plus \$10.00 for each additional member of the family at the same address.

Hi-Q is distributed to all LARC members, except that only one copy is issued to each address.

The club call is VE3FW in honour of our founding president, Pat O'Shea. The LARC owns and operates two VHF repeaters, VE3TBR on 148.82 MHz (minus) located atop St. Joseph's Heritage, and VE3YQT on 147.06 MHz (minus) located on Mount Baldy.

The club mail address is: Lakehead Amateur Radio Club Inc., P.O. Box 2571, Thunder Bay ON P7B 5G1.

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Irkutsk Trip—Part 2 by: Pat, VE3HFS

Our first evening in Irkutsk was a pleasant experience. We had a few toasts with the trusty "VODKA", but we did not stay up very late. We were still tired from the flight over and the fellows had a busy schedule mapped out for us.

On June 7th, which was the second day, I experienced my first Russian breakfast. We sat down to tea, kielbasa, cheese and dark brown bread. A lot different from my usual breakfast in Canada. Once I got over the difference in the menus I found it tasty and nourishing and a change from our usual fare.

The first home I stayed in was Serge's, UA0SR, mother's flat. I would move to Serge's flat (apartment) the evening of the 8th. A flat consists of a living room, small kitchen (similar to our kitchenette), bathroom, one or two bedrooms, and a balcony. In the newer flats, the water closet is separate from the bathroom which is furnished only with tub and sink. The flats range in size from 500 to 700 square feet. The buildings containing the flats are from 5 to 9 stories high, and any building over 7 stories must have elevators. Serge lived on the 7th floor of his building. If we arrived home late in the evening we found the elevator had shut down, and we had to climb 7 floors.

The buildings are made of concrete and are arranged in groups with services such as water, light and heating provided by a central source. Irkutsk is a city people, and detached housing is the exception. There were a great many of these large apartment buildings throughout the city. They seem to have a standard floor plan and are erected and habitable in about six months, being put together by a relatively small crew. Some of the commercial buildings are apartment buildings with modifications).

Serge told us that back in the Brezhnev era the government said everybody was entitled to affordable housing and a Dacha. Most people have a plot of land outside the city, with a small house, where they spend their weekends and summer vacations. The Dacha is much more than just a place to spend the weekend. Everyone has a garden, which is devotedly tended, with not a weed to be seen anywhere. The garden is a very important part of the life style for the average Russian; it provides vegetables for the family's table.

Jim and Vasya, UA0SN, joined us for lunch. Prior to lunch, Jim and I tried to contact Thunder Bay but propagation was terrible. In fact, radio conditions throughout our trip were lousy.

After lunch we went to the post office to mail a parcel to Tyumen. A Russian university student attending Lakehead University was sending some Advil to his father who had arthritis. Serge very carefully

wrapped and addressed the package before going downtown. When he went to mail it, the Post mistress insisted that he open it so she could see the contents. After looking at it she took it over to her desk. She took a large sheet of brown paper and proceeded to rewrap the parcel. Before folding over the ends she generously applied glue to same and then tied a light rope around the parcel sealing the ends of the rope with hot wax. She handed it back to Serge to re-address. Glue dripping from both ends, Serge carefully re-addressed the parcel.

After the visit to the post office we went to the Irkutsk Radio Club operating site. It was located in a former government building on the 4th floor. The station had not been used in quite a while and the antennas and rotor were in need of repair. The equipment was former military issue and of the glass set variety. Each piece looked rather formidable and required sturdy operating tables. One of the receivers used nine tubes for the digital readout.

At one time, station UW0SWA was very active, especially during contests. The station would have no trouble meeting the 200 watt maximum allowed, HI HI. On the same floor as the club room are class rooms for training commercial radio operators. Due to the money crunch in Russia, some of the building is rented out to commercial establishments.

We were scheduled to go to Valeri's, RA0SS, flat for dinner. We did not have motor transport so we walked a couple of blocks downtown to arrange a ride. Since the street cars did not go our way, Serge tried flagging down passing motorists and negotiating a price for a ride. No one was eager to give four of us a ride, especially when two of the group were foreigners. Serge then flagged down a small empty bus that was on its way back to it's terminal. After suitable negotiations, a price was settled. Russians are adapting to free enterprise!!

We arrived at Valeri's flat where Vlad, UA0SD, and Leonid, UA0SU, joined us shortly after our arrival. The group sat down to a fine dinner prepared by Natasha, Valeri's XYL. We don't know what this meal did to their household budget, but along with the usual fare of salad, meatballs, pickled fish, potatoes etc., we had salmon roe on toast. There was the usual ample supply of vodka and no shortage of toasts. We were the first North Americans to dine at their flat and Natasha was very nervous about hosting the Canadians. It was an excellent evening with good friends.

Valeri had purchased a Kenwood TS520 when he was in the United States on a photographic assignment, and we brought a spare set of finals for it. His station was the exception, in that he had a commercial

transceiver. He was in the process of building an amplifier. Prior to dining, Jim RA0S/VE3UA contacted JA9BOH, Kimio, on the west coast of central Japan. It was his first QSO from Siberia and an occasion for celebration with suitable refreshments!

Vlad, UA0SD, drove Serge and myself home. We had consumed a fair amount of vodka, and while Vlad did not have as much as us, he had participated in a few "toasts". As we proceeded on our way home a policeman waved us down. A very shaken Vlad stopped the car. Not only had he been drinking, but his safety certificate was out of date. Lucky for us the policeman only wanted a ride downtown. We had a pleasant conversation with the policeman. He was very interested in Canada, particularly what wages were paid to a Canadian policeman. In Russia when you drink and drive, they don't play around. No fine; they throw you in jail. No wonder Vlad was nervous. From then on, when Vlad or Leonid had to drive, they drank tea or coffee. The designated driver concept applies in Irkutsk as well as at home in Canada.

On June 8th we were scheduled to go yachting on the Irkutsk Sea in a 7 meter sailboat. The vessel was home built except for the lines and one windlass. The winds were weak and at one time we had to paddle. Winds picked up in the afternoon for a short time. The captain put on full sail and the vessel started to show its speed potential. You get to live at a 20 degree list under full sail.

The highlight of the day was the street car ride from downtown to the harbour. Some street cars are dual units with a capacity of about 100 people. Serge and I caught an express which was carrying students to an Agricultural College. There had to be at least two hundred people on board. You did not have to worry about falling over. We were pressed in like sardines. Prior to our stop, Serge advised the people around us we were getting off. It was a matter of exchanging space and trying to squeeze out the door while energetic students were trying to get on.

With money for upkeep not available, the street cars are in poor repair. Often there is plywood covering some of the windows, but in some cases neither plywood nor glass. The loaded car had a hard job climbing grades and rocked to and fro on the uneven tracks. The experience was a bit unsettling for our first ride.

Another unique aspect is that since the car is so crowded and people get on and off through both doors, the ticket money has to be passed hand to hand to the conductor with the change and tickets being returned in the same manner. The tickets are then cancelled by a punch located near the door. The nearest passenger

takes care of that chore. The honour system really works there. One day Jim joined the ritual, passing money and tickets to and fro; the amusing part was he could not speak Russian. When people asked him how many were being paid for, he gave them a blank stare. Then with amusement they realized he was a foreigner.

On June 9th we were scheduled to have dinner with Sasha, UA0SF. On our way, we stopped off to see a 12 meter yacht which Arthur (our captain from our sail on the Irkutsk Sea), was building. The yacht was in the final stages of completion. The hull was steel, fibreglass coated, with a keel similar to the one the Australians used to win the America Cup. The steel plates for the hull were hand formed using a hammer and anvil. She was a twin rigged sloop. The masts were laminated of wood. They were hollow to allow the lines for raising and lowering the sails to run up the centre. The aft mast had 3 meters of solar panels on each side to charge the batteries for power and running lights. Arthur did all the forming, welding and woodwork himself. He even had to build the trailer on which the yacht rested.

The yacht was an eleven year project, the last two years, after his wife died, he slept on board. He was originally building it to sail around the world. Don't ask me where he got all the materials or the energy, but he did. It was a marvellous project for one person.

When we arrived at Sasha's we had an opportunity to see another type of building. Sasha was in the final stage of completing a solid state transceiver which he designed himself. The workmanship was excellent. The components were built with precision and care, as good or better than a commercial transceiver. His tools were limited and his radio room/workbench was a small corner of his front room.

His former occupation involved viewing the flame in power plants while making adjustments to obtain optimum performance. Doctors were successful in restoring the sight in one eye, but could not repair the other. He must therefore restrict his work on the home made printed circuit boards and miniature components to 30 minutes at a time. In spite of the short work periods the assemblies look every bit as good as those in commercially built rigs.

Prior to wrapping up the evening we gave Sasha a Radio Shack multi-meter. Our timing could not have been better as he needed it to complete the installation of the components.

It is amazing what people can accomplish. Russians have learned to make do. I know some hams who think they are real scroungers, but they don't hold a candle to these fellows.

Don't miss the exciting conclusion next month. ed.

Have you checked your Mouse Balls?

by Dave Foster, WD5BRP

This is an actual alert that went out to all IBM branch office field engineers. It was not meant as a joke.

Abstract: mouse balls available as field replacement units.

Mouse balls are now available as FRU. Therefore, if a mouse fails to operate or should it perform erratically, it may need a ball replacement. Because of the delicate nature of this procedure, replacement of mouse balls should only be attempted by properly trained personnel.

Before proceeding, determine the type of mouse balls by examining the underside of the mouse. Domestic balls will be larger and harder than foreign balls. Ball removal procedures differ depending upon manufacturer of the mouse. Foreign balls can be replaced using the pop-off method. Domestic balls are replaced using the twist-off method.

Mouse balls are not usually static sensitive. However, excessive handling can result in sudden discharge. Upon completion of ball replacement, the mouse may be used immediately.

It is recommended that each replacer have a pair of spare balls for maintaining optimum customer satisfaction and that any customer missing his balls should suspect local personnel of removing these necessary items.

To reorder, specify one of the following:

P/N 33F8462 - Domestic Mouse Balls

P/N 33F8461 - Foreign Mouse Balls

from the May '93 Delaware-Lehigh Valley ARC "W3OK Corral"—Clarence Snyder, W3PYF, Editor

[Who says major American corporations aren't watching the bottom line?—(ARNS)ed.]

With thanks, this article was reprinted from the September '93 ARNS Bulletin.—ed.

Let's Talk Thunder Bay...

Some European hams have expressed interest lately in our Voyageur Award. Unfortunately, they also report hearing only one Thunder Bay ham. Matti, VE3EEI, suggested we compile a list of Thunder Bay calls, complete with frequencies, times (UTC), and days of the week, when the Europeans might find one or more of us on the air.

I will prepare such a list if you will contact me with the above information. You can reach me at 626-9648. Matti will pass on the info to his contacts in Finland.
Jim, VE3UA

I Am A New Member Of Your Radio Club

Anonymous

I see you at my meetings but you never say "hello"...
You're busy all the time you're there, with those you
already know.

I sit amongst the members and yet I'm a lonesome
guy...

The new ones are as strange as I, but you old
members pass me by.

But, darn it, you folks asked us in and talk of
fellowship...
You could just step across the room, but you've never
made the trip.

Why can't you nod and say "hello", or stop and shake
my hand?

Then go and sit amongst your friends, now that I'd
understand.

I'll be at your next meeting, perhaps a nicer time to
spend...

Do you think you could introduce yourself?
I want to be your friend.

From the North Shore Repeater Association Newsletter Winter 92
edition and

originally printed in the ARRL NE Division Convention Baxborough
'92 Program.

Ken AA1DR @ KIUGM.MA.USA.NA Internet:

ken.smith@channel1.com

LAN-LINK 2.20 9/4/93 11:38 PM "Have FUN with Amateur
Radio!"

We Welcome...

Ed, VE3SNW advises that, congratulations are in order for Nancy Vanderwees. She passed the basic test in early September. Nancy and her husband Mark, VE3NRW are missionaries working in Haiti. While in town for a holiday, Nancy took the opportunity to take the test and apply for her Canadian license.

October is the time for new LARC members. Let's welcome the following amateurs as new club members:

Garnet (VE3AUP) and Patty (VE3YUP) Walker, Keith (VE3EEK) Koetter, John (VE3NEQ) Ney, Anton (VE3RTX) North, Martin (VE3VGV) Cheredaryk, Fred (VE3WFN) de Wind, and; Al (VE3XAL) Foley.

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"CARAB"—the new word!

Via VE2QST/VE2ALE from: J.F. Hopwood VE7RD
CARAB, the acronym for Canadian Amateur Radio Advisory Board, is a new word for Canada's amateurs to get used to! The creation of CARAB will take place in Ottawa September 22nd. The advisory board is a non-profit consultative group consisting of members of Radio Amateurs of Canada (RAC) and the Radio Regulatory Branch of Industry and Science Canada (ISC). CARAB's function is to provide a consultative forum between Canadian radio amateurs and the regulator. The board will be jointly chaired by ISC and RAC and will meet twice a year in the spring and fall.

Special RAC News Bulletin

Issued by:
RADIO AMATEURS OF CANADA (RAC)
Administrative Office,
P.O. Box 356
Kingston, ON
K7L 4W2
August 23, 1993

Item 1:

ISC Opens 220-222 MHz Debate

Industry and Science Canada (formerly DOC) has invited public discussion on a newly released paper "Proposed Spectrum Allocation and Utilization in the Range of 30-960 MHz". The Amateur Primary 220-222 MHz segment is under review. Canada's amateurs must get behind RAC in an all out effort to retain this important VHF segment.

Attention is drawn to page 37 re: proposals for the reallocation of the 220-222 MHz as ISC throws the future of this segment of the "primary" amateur 220-225 MHz band wide open for debate. ISC recommends that the amateur allocations in the 50-54 MHz, 144-148 MHz and 430-450 MHz bands remain unchanged.

Radio Amateurs of Canada (RAC) urges every amateur organization in Canada to obtain a copy of this important paper for study and action. RAC has previously suggested to ISC that Canadian amateurs should retain this vital primary allocation segment to meet the tremendous growth of amateur radio operators with a BASIC qualification to operate above 30 MHz only. As well, voice and digital linking systems fit well into amateur plans to fully utilize the overall 220-225 MHz band across the country.

The ISC (DOC) 1990 restructuring of the amateur service examination and certification process has been successful beyond everyone's expectations. In less than 3 years Canada's amateur population has grown over

55% to a total of 40,000 licensed stations. Canada would seriously diminish available primary VHF/UHF spectrum to its new fast growing amateur ranks if a slice of 220-225 MHz was taken away from a "primary amateur allocation". It would also seriously scuttle amateur plans for voice and digital linking networks across the country.

Copies of this document are available from:

Information Services,
Industry and Science Canada
300 Slater Street
Ottawa, Ontario, K1A 0C8

or from — ISC Regional Offices in: Moncton,
Montreal, Toronto, Winnipeg; or Vancouver.

Submissions should be directed to:

Director General
Telecommunications Policy Branch
Industry and Science Canada
Ottawa, Ontario, K1A 0C8

Your representation should cite the Canada Gazette, Part 1, Radiocommunications Act, Notice No. DGTP-002-93/SMEP-0110-93. Respond by December 20, 1993.

RAC is working on this matter and its response to the overall DOC paper. RAC will provide more information and direction to our members and affiliate clubs in the near future.

Item 2:

RAC Appoints Veteran Newsmen

RAC is pleased to announce the appointment of veteran newsmen Cam Inglis, VE3UXN, as RAC's News Bulletin Editor. Cam's amateur radio interests include a love for CW. Cam is the former owner and now publisher of the newspaper "Kingston This Week". Our thanks to Cam for volunteering his talents to help us out with this important service to Canada's amateurs. RAC's routine News Bulletin service will re-start in September.

RAC Directors to meet

Via VE2QST/VE2ALE from: J.F. Hopwood VE7RD
RAC'S Board of Directors will meet at Mississauga, Ontario, September 24-26 1993. Agenda highlights include finances, membership growth, field organization, government affairs, formation of committees and a general review of all services and operations. Of special interest will be an assessment of Industry and Science Canada's (formerly DOC) proposal to phase-in the delegation of the administration of some amateur services to RAC over the next few years.

SPECIAL RAC NEWS BULLETIN

*Issued (via Packet from VE7VCA16 Sep 1993 08:30 ed.)
by: RADIO AMATEURS OF CANADA Administrative
Office, P.O. Box 356 Kingston, Ontario K7L 4W2*

September 13, 1993

**RAC LINEAR OWNERS "TAKE
NOTE"**

Industry, Science and Technology Canada, the government department replacing Communications Canada, has just released TRC-86, a draft document entitled, "Criteria for Resolution of Immunity Complaints Involving Fundamental Emissions of Radiocommunications Transmitters".

This document suggests and proposes to make ministerial determinations, as provided by law in the Radio Communications Act, by a measurement of the following values of field strength, quote, "measured in accordance with accepted engineering practice, at the site of the equipment being affected by harmful interference:

- a) for broadcast receivers and associated equipment1.83 volts per meter, equivalent to a 125 dB above a microvolt per meter.
- b) for all radio sensitive equipment 3.16 volts per meter, equivalent to 130 dB above one microvolt per meter."

Radio amateurs should not accept this one-sided technical solution which further obligates the transmitter owner and inequitably places no mandatory requirement whatsoever on the manufacturers of such radio equipment sensitive equipment.

There is further ambiguity in the definitions of the two classes of equipment mentioned above, that VCR's and compact disc accessories may qualify to be deemed broadcast receivers if they are attached to equipment capable of receiving broadcast signals.

Over 80% of these cases involving Amateur use of the spectrum 1.8 to 30 MHz have been resolved by reducing the conducted interference on any cable entering the affected equipment. External Shielding is not remedial nor necessary in these circumstances. A radiated measurement does not account for random localized re-radiation, household wiring resonance effects or place any obligation on the manufacturers of the devices to meet any requirement for radiosensitivity.

The EMC Committee of RAC will respond to the proposals of this document and strongly suggests you obtain a copy of TRC-86 from your district inspector's office. Quickly send any comments to the RAC Administrative Office, P.O. Box 356, Kingston Ontario, K7L 4W2.

This is an URGENT MATTER as the paper will

be published in the Canada Gazette in early 1994 and can become law.

RAC News Bulletin 93/09/04

From J. Farell Hopwood VE7RD

September 04, 1993

To Radio Amateurs Of Canada

From: VE2ALE via Packet 14 Sep 1993, 12:02

Subject: Implications of draft "TRC-86 Criteria For Resolution Of Immunity Complaints Involving Fundamental Emissions Of Radiocommunications Transmitters".

One thing for sure, if field strength readings are, as suggested, to be the criteria, some HF linears may be going into mothballs very quickly! I suspect that the increasing number of complaints and interactions with amateurs and their neighbours (highlighted by the Jack Ravenscroft case) is what is behind all this. Most commercial stations are not as pervasive in the urban setting as are amateur stations. We need to know more!

The draft document is very dangerous! We cannot let it stand as it is! I suspect it could, of and by itself, without careful consideration of all factors such as the lack of ISC support for EMC standards, the implications of external and internal street and building wiring as an RF carrier and other matters, be used as a policy excuse to shut down clean stations when neighbours raise hell.

"To all those amateurs who have in their possession the March 1993 Issue " The Canadian Amateur" see article By Ralph Cameron VE3BBM page 13 for further information. I'm all for rules and ways of ensuring the rules are complied with, however, we have no "comprehensive" definitive rules to control the shocking disregard for the manufacture and distribution of super sensitive equipment (RSE'S). It's potentially one-sided- "control the Transmitter"!

I also believe the use of the word "interference" is fraught with with interpretation problems. We ought to make a strong case to use the words rooted in "compatibility" or elicit the idea of "function" as the difficulties lie with devices which are often "incompatible" not only due to proximity, but also due questionable design, faulty components and cheap installations. Using the subjective word "Interference" is going to prompt the attitude which stimulates the "We"and "they" mindset.

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Lakehead Amateur Radio Club History Project

**Minutes of a meeting of the Lakehead Amateur Radio Club
held in room 245 at Confederation College,
Thunder Bay, Ontario on September 9, 1993.**

The meeting was called to order at 7:30 pm with 38 members and guests in attendance.

All Amateurs in attendance introduced themselves.

Minutes of the previous meeting:

The minutes of the previous meeting held June 10, 1993 were published in detail in the September edition of Hi-Q and mailed to all members. No questions, additions or deletions were noted.

Motion: moved by VE3RVA, Bob Hansen and seconded by VE3ZG, Mike Nawrocki that the minutes be accepted as printed. . Carried.

Treasurer's Report:

Skip Wright, VE3BBS reported the annual 1993-94 financial statement to date which is follows:

Balance forward from 1992-93	\$705.07
Income	\$17,729.53
Expenses	\$17,910.58
Balance forward to 1993-94	\$524.02

Motion: moved by VE3HFS, Pat Doherty and seconded by VE3YYM, Bill Link that the Treasurer's report be accepted. Carried.

President's Report VE3TKA Terry Stewardson:

Terry pointed out the four page spread on Amateur Radio in the Canadian Uutiset newspaper published by VE3EEI, Matti Nummelin. Copies were handed out to those in attendance.

VE3TBR Repeater Update:

The new repeater has been installed. The club will be getting started in the near future on a link to Grand Marais. The telephone line has been moved from its former site at VE3VUK, Mark Vukovich's place of business to the TBR repeater site. New IDs are to be recorded for the controller. Manuals for the new repeater are available for members who do not already have one.

VE3YQT Repeater Update:

VE3YQT took a lightning hit. VE3BCD, Laurie Bridgett and VE3NHX, Lindo Scalese fixed everything up.

Hymers Fall Fair:

Terry thanked all those amateurs who took part in the LARC radio display at the Hymers Fall Fair held September 5th and 6th (VE3TKA, VE3KRH, VE3WAZ, VE3HFS, VE3XLB, VE3XMI and VE3XRC).

Inter-city Mall Display:

The LARC will be putting on a display of Amateur Radio in the mall Friday September 10 and Saturday September 11. The club is looking for volunteers to man the display for both days.

Old Business:

VE3BBS, Skip Wright had done some house cleaning of his "shack" and found some certificates of appreciation from the 1989 Jeep 500 which he passed out. He also presented a certificate to VE3DZR, Dwayne Randle for his participation in the 1993 NIBS day contest sponsored by the Canadian National Institute for the Blind.

Trivia Question:

Due to the absence of VE3AJ, Bill Klemacki, the trivia questions published in Hi-Q will have to wait until the next meeting for the correct answers.

Election of Officers for 1993-94:

The floor was turned over to the chairman of the nominating committee, VE3NPS, Nestor Procup, for the election of officers for 1993-94. The following are your executive for the following year. All positions were filled by acclamation.

President VE3TKA Terry Stewardson
Vice President VE3KRH Steve Robb

Secretary VE3XRC Norman Bell
Treasurer VE3BBS Skip Wright
Past President VE3VUK Mark Vukovich
Directors VE3ILV Len Catillo
VE3EMI John Kaleta
VE3ICY Glen Wallace
VE3GTX John Watson

New Business:

Memorandum Of Understanding: VE3HFS, Pat Doherty presented a Memorandum Of Understanding between the Irkutsk Amateur Radio Club and the Lakehead Amateur Radio Club which would initiate the "Lake Baikal - Superior Award". This award would consist of working stations in UA0S, UA0O, VE3, W0, W9 and W8. An award will have to be designed. VE3UA, Jim O'Brien and VE3HFS, Pat Doherty have volunteered to work on the design and details of this award.

Motion: Moved by VE3NPS, Nestor Procup and seconded by VE3YYM, Bill Link that we accept this Memorandum Of Understanding and proceed with the design of the award. Carried.

Club Asset List:

VE3TKA, Terry Stewardson has finally been able to put together a list of the assets of the LARC. This list is required as part of our incorporation papers. Some of our assets have to be disposed of such as parts of old repeaters which are no longer of any value to the club. This list has been gone over by VE3TKA, Terry Stewardson and VE3BCD, Laurie Bridgett to see what should be kept and what we should dispose of. Items such as the old TBR repeater is not worth much and is taking up space.

Motion: Moved by VE3EMI, John Kaleta and seconded by VE3BHN, Bob Gillespie that the Club Executive be given the authority to dispose of surplus equipment. Carried.

Club Station:

VE3BBS, Skip Wright outlined the possibility of establishing a Club Station at the 55+ Centre on River Street. Some club money will be required to set up the station. We will have outside access to the radio room. Operations will be confined to evenings as we do not want to conflict with ongoing operations run by the 55+ Centre. The radio room will be approximately 10' x 12'.

Motion: Moved by VE3BBS, Skip Wright and seconded by VE3EFC, Bill Unger that the executive committee be allowed to proceed with the procurement of a Club Station at the 55+ Centre and be allowed a maximum expenditure of \$1000.00 which will show up in the 1993-94 budget. Carried.

EMO Exercise:

VE3BBS, Skip Wright announced that the local EMO will be conducting a simulated exercise on Friday September 24, 1993. Skip will be looking for a maximum number of check-ins once the exercise has started, whether or not you can actively participate.

Heart of Thunder Bay Race:

This race will be held Sunday, September 26, 1993. VE3BBS, Skip Wright will contact the required operators that will be required.

Newsletters from other clubs:

VE3UA, Jim O'Brien has newsletters from other clubs in binders for anyone who would like to look at them. He will try to bring them to each meeting.

50/50 Draw:

The winner of the 50/50 draw was VE3AZB, Allan Bates.

Motion: Moved by VE3ZG, Mike Nawrocki and seconded by VE3XMI, Moe Bell that the meeting be adjourned at 8:57 p.m. Carried.

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Lakehead Amateur Radio Club History Project



1993

SUN	MON	TUE	WED	THU	FRI	SAT
Listen on VE3YQT for word of last minute changes regarding LARC Meeting location.		Code classes: Wednesdays at 7:00 p.m. 217 University Drive. Contact Norm, VE3XRC at 577-9316 to reserve cw tape.			1	2 VK-ZL Oceania SSB DX Contest 50 MHz RAC Sprint
3 VK-ZL Oceania SSB DX Contest	4 7:00 PM 2M Mini Net Swap'n'Shop VE3YQT	5 7:00 PM Ham Class	6	7	8	9 VK-ZL Oceania CW DX Contest
10 VK-ZL Oceania CW DX Contest	11 7:00 PM 2M Mini Net Swap'n'Shop VE3YQT	12 7:00 PM Ham Class	13 7:00 p.m. CW Class YLRL CW Anniversary Party	14 7:30 PM LARC Meeting YLRL CW Anniversary	15 YLRL CW Anniversary Party	16 JARTS WW RTTY Contest
17 JARTS WW RTTY Contest	18 7:00 PM 2M Mini Net Swap'n'Shop VE3YQT	19 7:00 PM Ham Class	20 7:00 p.m. CW Class	21	22	23
24	25 7:00 PM 2M Mini Net Swap'n'Shop VE3YQT	26 7:00 PM Ham Class	27 7:00 p.m. CW Class YLRL SSB Anniversary Party	28 YLRL SSB Anniversary Party	29 YLRL SSB Anniversary Party	30 CQ WW SSB Contest Hamfest Minnesota
31 CQ WW SSB Contest	HAMFEST Minnesota & Computer Expo in the Main Arena, St. Paul Civic Center, St. Paul, MN Saturday — October 30, 1993.					

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Lakehead Amateur Radio Club History Project